(19) World Intellectual Property Organization International Bureau

(43) International Publication Date 12 September 2003 (12.09.2003)



PCT

50691

(10) International Publication Number WO 03/074687 A1

(51) International Patent Classification7: C12P 21/00, C12N 15/70

C12N 9/10,

(21) International Application Number: PCT/CH03/00153

(22) International Filing Date: 5 March 2003 (05.03.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

394/02 7 March 2002 (07.03.2002) CH 60/364,655 14 March 2002 (14.03.2002) US

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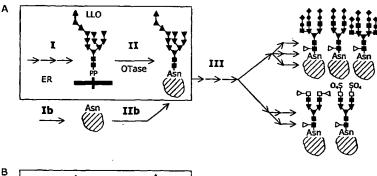
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

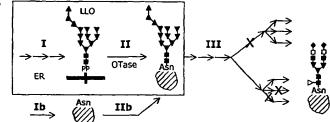
Published:

with international search report

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR THE PRODUCTION OF RECOMBINANT GLYCOSYLATED PROTEINS IN A PROKARYOTIC HOST





(51) Abstract: A system and a method for the production of recombinant N-glycosylated target proteins. The system comprises a prokaryotic organism (e.g. Escherichia coli) into which is introduced a genetic information encoding for a metabolic apparatus capable of carrying out the requested N-glycosylation of the target protein. Said prokaryotic organism also contains the genetic information required for the expression of one or more recombinant target proteins. The metabolic apparatus preferably comprises specific glycosyltransferases for the assembly of the oligosaccharide on a lipid carrier and an OTase that covalently links this oligosaccharide to specific residues of the desired protein.